

ABSTRACT OF THE DISCLOSURE

Nuclear matrix proteins (NMP) are useful markers in diagnosing and monitoring the stage of malignancy of a cell, and in treating cell proliferative disorders associated with the NMP.

5

1. A method for diagnosing and monitoring the stage of malignancy of a cell, comprising the steps of: (a) isolating a nuclear matrix protein (NMP) from a cell; (b) determining the presence or absence of the NMP in the cell; and (c) correlating the presence or absence of the NMP with the stage of malignancy of the cell.

2. A method for treating cell proliferative disorders associated with the NMP, comprising the steps of: (a) isolating a nuclear matrix protein (NMP) from a cell; (b) determining the presence or absence of the NMP in the cell; and (c) administering a treatment to the cell based on the presence or absence of the NMP.

3. A method for diagnosing and monitoring the stage of malignancy of a cell, comprising the steps of: (a) isolating a nuclear matrix protein (NMP) from a cell; (b) determining the presence or absence of the NMP in the cell; and (c) correlating the presence or absence of the NMP with the stage of malignancy of the cell.

4. A method for treating cell proliferative disorders associated with the NMP, comprising the steps of: (a) isolating a nuclear matrix protein (NMP) from a cell; (b) determining the presence or absence of the NMP in the cell; and (c) administering a treatment to the cell based on the presence or absence of the NMP.